8581 - 8797 ✓

GOLDEN WEST
NO. W-730
19¢

Arthur Cronquist
New York Botanical Garden
Bronx Park
New York 58, N.Y.

$5.00 REWARD
for return.

5581 - June 30, 1959

Rocky slopes along the South tributary to Alvord Creek, rollups on the east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33S., R. 34E., S. 31. Elevation about 8500 feet. Plants forming dense mats. Peduncles mostly prostrate. Flowers at first ochroleucous, soon turning reddish.

Eriogonum ovalifolium Nutt. var. depressum Blank.

0.6%

Eriogonum (7)

8582 - June 30, 1953
Same place as 8581.
Elevation about 8000 ft.
Bracts red.

Castilleja applegatei Fern.
Dupl. det. Marion Ownbey

Castilleja - red (5)

8583 – same place as 8581. Elevation about 8500 feet. Leaves very pungent. Flowers white.

Arenaria aculeata Wats.

Arenaria (7)

6584 – June 30, 1959
Sheltered rock crevices along the south tributary to Almond Creek, rollups on the east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 34 E., S. 31. Elevation about 8000 feet. Stipes brittle, rather dark brown.

Pellaea breweri D.C. Eat.

Pellaea (3)

8585 – June 30, 1959

Same place as 8581.

Petals white, notched.

Cerastium arvense L.

Cerastium - white, not notched (3)

6586 — June 30, 1959
Cliff crevices along the south tributary to Alvord Creek, mile up on the east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 34 E., S. 31. Elevation about 6000 feet. Rays rather light blue lavender, plants just beginning to bloom.

Erigeron tener Gray

H. Cronquist

Erigeron tener (2)

8587 – June 30, 1959

In moist or dry soil on steep, rocky slopes along the south tributary to Alvord Creek, mostly on the east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 34 E., S. 31. Elevation about 8000 feet. Bulb reddish; leaves several (more than 2), slender, channeled on one side, convex on the other, soon withering. Flowers white or nearly so.

2N = 21 (triploid)

Allium amplectens Torr.

< Lupsl. det. M. Ownbey

Allium (15

8588 - June 30, 1889
Same place as 8587.
Leaves bright green on the upper surface, glaucous beneath.

Polygonum austiniae
Greene

Polygonum (11)

8589. June 30, 1937

Steep rocky slopes along the south tributary to Alvord Creek, on the east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 34 E., S. 31. Elevation about 7500 feet. Plants tufted. Rachis of the spike disarticulating

Sitanion hystrix (Nutt.)
J. G. Smith

Sitanion hystrix (11)

8590 - June 30, 1959.
Same place as 8589.
Plants tufted

Litanion hystrix (Nutt.)
J. G. Smith

Agropyron D

8591 - June 30, 1959.
Plants cupted.
Rachis disarticulating
Growing with #8589,
Litanion hystrix.

Agropyron saxicola
(Scribn. & Smith) Pijser

8592 – June 3, 1
Same places as 8589.
Plants tufted.

Poa fendleriana (Steud.)
Vasey

Poa (3)

8593. June 30, 1957

Steep, rocky slopes along the south tributary to Alvord Creek, mellup on the east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 34 E., S. 31. Elevation about 7500 - 8000 feet. Herbage glaucous; petals purple.

Streptanthus cordatus Nutt.

Exceptionally stem 5)

6574 June 30, 1909
Rocky places along the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles south-east of Burns, Harney Co., Oregon. Twp. 33 S., R. 34 E., S. 31. Elevation from about 7000 to about 8000 feet. Flowers white or somewhat pinkish.

Penstemon deustus Dougl. var. heterander (T. & G.) Crong.

Penstemon deustus (13)

6595 - June 30, 1895
Rocky slopes - elev. ca
min 9594. Elevation about
7500 feet. Stems mostly
prostrate. Flowers
dull lavender.

Phacelia hastata Dougl.
var. alpina (Rydb.) Cronq.

Phacelia h. alpina (3)

8596 - June 30, 1959.
Steep rocky slopes along the south tributary to Alvord Creek, midway on the east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 34 E., S. 31. Elevation about 8000 ft. Plants apparently short-lived. Flowers yellow.

Draba sphaeroides Pays.
var. cusickii (Robins.) C. L. Hitchc.
[redacted] det. C. L. Hitchcock

(7)

Draba

8597 — June 30, 1959
Rather moist soil on
steep rocky slopes —
alt. as in no. 8596.
Plants forming small
tufts.

Carex papillosa Mack.

Carex (4) ✓

C. B. [illegible] - June 30, 1959.

Moist slope next to the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 34 E., S. 31. Elevation about 7500 ft. Stems several or solitary on a thickened taproot. Flowers coppery red, verging to greenish. Staminode broad, green.

Scrophularia lanceolata Pursh

Scrophularia (L.)

8599 - June 30, 1909
Same place as 8598.
Flowers yellow.

Descurainia richardsonii
(Sweet) Schulz
var. viscosa (Rydb.) Peck

5 lots
Descurainia (4) ✓

3600 - July 2, 1959
Crevices at the base of basaltic cliffs on the east slope of the Steens Mts., just north of the south tributary to Alvord Creek, a hundred miles southeast of Burns, Harney Co., Ore. Twp 33 or 34 S., R. 34 E., S. 32 or 5. Elevation about 6500 feet. Flowers dull pale lavender.

Phacelia ramosissima Dougl.

Fogl. Phacelia. (3)

8601 - July 2, 1935.
With sagebrush on open slopes just north of the south tributary to Alvord Creek, Steens Mts. a hundred miles southeast of Burns, Harney Co., Oregon. Twp 33 or 34 S., R. 34 E., S. 32 or 5. Elevation about 6500 feet.

Agoseris grandiflora (Nutt.) Greene

(3)

8600 - July 2, 1959
Around Platyantha
on ridge top north of the
south tributary to Alvord
Creek; [illegible] Mts., a hundred
miles southeast of Burns,
Harney Co., Oregon. Twp.
33 or 34 S., R. 34 E., S. 32 or 5.
Elevation about 7000 feet.
Heads yellow. Plants
unusually robust for the
species.

Erigeron bloomeri Gray
var. bloomeri

Erigeron bloomeri (13)

8603 - July 2, 1959
Sagebrush slopes along
the south tributary
to almond Creek; east
side of the Steens Mts.,
a hundred miles southeast
of Burns, Harney Co., Oregon.
Twp. 33 or 34 S., R. 31 E., S 32 or
5. Elevation about 7000
feet. Flowers pinkish purple.

Clarkia rhomboidea Dougl.

Clarkia (6)

8604 - July 2, 1909.
From plants 8603.
Sepals and petals purple.

Caulanthus crassicaulis
(Torr.) Wats.

Caulanthus [illegible] (1)

8605 - July 2. 1959.
Same place as 8603.
Flowers white or faintly
cyanic.

Gilia tenerrima Gray

(2) white or

86 06 - July 2, 1959.
South exposure of the canyon wall along the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon, Twp. 33 S., R. 34 E., S. 31. Elevation about 7000 feet. Petals white, clawed, a little shorter than the sepals.

Ivesia baileyi Wats.
var. baileyi

Ivesia 7

8607 – July 2, 1959
North exposure on the canyon wall along the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 33S., R. 34E., S. 31. Elevation about 7000 feet.

Adiantum pedatum L.,
sens. lat.

adiantum (9)

T 6 0 6 - July 2, 1909
Land plants 8603.
Flowers pale pink - lavender.

Collomia tinctoria Kell.

Collomia (1)

6609 - July 2, 1959.
Moderately moist places
along the south tribu-
tary to Alvord Creek;
east side of the Steens
Mts., a hundred miles
southeast of Burns,
Harney Co., Oregon.
T. wp. 34 S., R. 34 E., S. 5,
Elevation about 6500 feet.
Herbage glaucous, flowers
pink.

Epilobium glaberrimum
Barbey
var. fastigiatum (Nutt.) Trel.

Epilobium (15)

7610 - July 2, 1959
Steep rocky slopes along the south tributary to Alvord Creek; Steens Mts. a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 34 S., R. 34 E., S. 5, Elevation about 6500 feet.
Flowers yellow.
Submature seeds grooved on the angles, very finely reticulate (but not tuberculate) on the surfaces.

Mentzelia dispersa Wats.

Mentzelia laevicaulis (O)

8611 – July 2, 1959
Moist places along the south tributary to Alvord Creek; ~~Steens~~ east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 34S., R. 34E., S.S. Elevation about 6500 feet. 4 colonies or more.

Habenaria dilatata (Pursh) Hook. var. leucostachys (Lindl.) Ames

Habenaria (6)

8612 — July 2, 1959.
Steep rocky slopes overlooking the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. T 37 S., R. 34 E., S. 5. Elevation about 6000 feet. F. Lamoreux & Wright Lavender.

Monardella odoratissima Benth. var. glauca (Greene) St. John

Monardella (5)

8613 – July 2, 1959.
Same place as 8612.
Intricately branched
shrub 4-10 dm tall.
Petals white.

Holodiscus dumosus (Hook.)
Heller
var. glabrescens (Greenm.)
C. L. Hitchc.

Holodiscus (10)

8614 - July 2, 1959
Moist places along the south tributary to Almond Creek; east side of the Burns mts., a hundred miles south-east of Burns, Harney Co., Oregon. Twp. 30 S., R. 34 E., S. 5. Elevation about 6500 feet. Plants densely tufted, not rhizomatous.

Carex hoodii Boott

tufted Carex (8)

8615 - July 2, 1917
Same place as 8614.
Leaves terete, separate-nodose.

Juncus montanensis Rouy.

866 - July 2, 1909
Same place as 864,
leaves flat.

Juncus regelii Buch.

Juncus balt. (13)

8617 - July 2, 1959.
Same places 8614.
Plants tasted.

Carex cyperoides Mack.
Dupl. Det. J. T. Howell

3

8618 · July 3 1917
Same place as 8614.
Plants densely tufted, quick short, freely branching habit.

Calamagrostis purpurascens
R. Br.

5.

Calamagrostis (6)

8619. July 3, 1929

With scattered sagebrush on diatomite slope 2 miles southeast of Log-ska // Butte, 3 miles northeast of Denio, Harney Co., Oregon. Twp. 39 S., R. 37 E., about S. 11.

Leaves glaucous. Flowers yellowish; sepals spreading; petals with firm, erect claw and short, thin, loosely crisped and spreading blade.

Stanleya viridiflora Nutt.

Stanleya

8620 July 6, 1954
Granitic soil on north
slope below rocky
outcrops a little north
of Blue Lake; Pine
Forest Mts., 75 miles
north, west of Winnemucca,
Humboldt Co., Nevada.

Elevation about 8300 ft.
Stems clustered, curved-
ascending. Bracts bright
rufous-brown, merging
to sometimes dull ochre.

Castilleja arachnoidea Greenm.
Dupl. det. Marion Ownbey
Castilleja

B621 - July 6, 1959
Rocky granitic point
a little north of Blue
Lake. Data as in B621.

Draba densifolia Nutt.

Draba (B)

3002 July 6, 1909
Rocky granite point and slope a little north of Blue Lake; Pine Forest Mts., 75 miles northwest of Winnemucca, Humboldt Co., Nevada.

Elevation about 8300 feet. Plants forming mats upto 1 m. wide on the ground and in rock crevices. Flowers bright blue-lavender.

Penstemon davidsonii Greene var. praeteritus Coorg.

(1 Holotype; 34 Isotypes)

Penstemon

8623 - July 6, 1957.
Gravelly granitic
northeast slope a little
north of Blue Lake;
Pine Forest mts., 75
miles north west of Winnemucca,
Humboldt Co., Nevada.

Elevation about 8300 feet.
Flowers dark blue.

Penstemon humilis Nutt.

8623
Penstemon humilis (17)

July 7 - July 6, 1909.
Rancho Placeo 8622.
Bracts yellow, varying to salmon or seldom turning red.

Castilleja applegatei Fern.
Dupl. det. Marion Ownbey

Castilleja (13)

8625 – July 6, 1959.
Same place as 8632.
Wings and keel bright
red purple, the banner
much paler.

Astragalus purshii Dougl.
var. *lagopinus* (Rydb.)
Barneby

det. R. C. Barneby

A. purshii var. *lagopinus* (5)

8626 July 6, 1959
Aspen grove along small stream a mile north of Blue Lake; Pine Forest Mts., 75 miles north-west of Winnemucca, Humboldt Co., Nevada.
Elevation about 7700 feet. Flowers lilac. Bulb small for the size of the plant. Scape erect. 2N=14.

Allium bisceptrum S. Wats.
Dupl. det. Marion Ownbey

Allium (35)

8627. July 7, 1959
Steep granitic north slope under scattered white bark pine; Pine Forest Mts. just south of Blue Lake, 75 miles northwest of Winnemucca, Humboldt Co. Nevada.
Elevation about 8500 ft. Sprawling or weakly ascending shrub to 5 dm. tall, flowers a nondescript pale yellow-brown.

Ribes montigenum McClatchie

Ribes (15)

8623 July 7, 1937
Rocky granitic slopes near the summit of the mts. just south of Blue Lake; Pine Forest Mts., 25 miles northeast of Winnemucca, Humboldt Co., Nevada.

Elevation about 9000 feet
Herbage glaucous; corolla blue; glabrous within

Mertensia oblongifolia
(Nutt.) G. Don

Mertensia (8)

8629 - July 7, 1969.
Same place as 8628
Plants dioecious

Poa nervosa (Hook.) Vasey
dupl. det. Jason R. Swallen

Poa rhizomata (9)

J630 - July 7, 1959
Same glacier 8628.
Plants tufted
without rhizomes.

Poa incerta Scribn. & Will.

tufted (3)

8631. July 7, 1959
Forming mats on the
surface of granitic, gravelly
soil, along the crest of
the Pine Forest Mts.,
first south of Blue Lake,
75 miles northwest of
Winnemucca, Humboldt Co.,
Nevada.

Elevation about 9000
feet. Flowers red or
yellow. Peduncles prostrate or nearly so. Plants
dioecious.

Eriogonum marifolium T. & G.
(but note capitate involucres)

Eriogonum (20) V

8632 - July 7, 1989
- coming mats &c.
as in 8631. Flowers
pink - lavender to blue-
lavender to nearly white

Phlox hoodii Rich., appr.
P. diffusa.

Phlox (9)

8633 - July 7, 1959
among granitic rocks
along the crest of the
Pine Forest Mts., just
south of Blue Lake, 75
miles northwest of Winne-
mucca, Humboldt Co.,
Nevada.
Elevation about 7000
feet. Flowers yellow

Draba densifolia Nutt.

Draba yellow. (5)

6634 July 7, 1937
In gravelly soil and about granitic rocks along the crest of the Pine Forest Mts. near Blue Lake, 75 miles northwest of Winnemucca, Humboldt Co., Nevada.
Elevation 8500-9000 feet.
Rays very pale, almost white or more often apparently wanting.

Erigeron compositus Pursh var. glabratus Macoun

Erigeron compositus (10)

8635 - July 7, 1959.
With Artemisia arbuscula on open gentle slope near the crest of the Pine Forest Mts., not far from Blue Lake, 75 miles northwest of Winnemucca, Humboldt Co., Nevada.
Elevation about 8500 feet. Flowers white.

Arenaria Kingii (Wats.) Jones var. glabrescens (Wats.) Maguire

Arenaria (11)

6636 - July 7, 1939.
Fam. of 635. Plants
collected. Fam. of
Columbiana.

Astragalus obscurus Wats.

det. R. C. Barneby.

Astragalus - narrow pod (2)

06 37 - July 7, 1959.
Same place as 0635.
Plants tufted, without
rhizomes.

Poa cusickii Vasey
dupl. det. Jason R. Swallen

Poa cusick. (5)

8636. July 7, 1929
Same place as 8635.
Plants tufted, without rhizomes.

Poa sandbergii Vasey

Poa oligosanda (1)

8639 - July 7, 1954.
Same places 8635.
Stems prostrate, toward the base, with ascending tips; flowers ochroleucous; pods inflated, mottled.

Astragalus whitneyi Gray
var. confusus Barneby

det R. C. Barneby

Astragalus, in the 8

Rock - July 7, 1959
Lamb placers 8635.
Leaves glaucous. Flowers white. Fruits on some plants glabrous, on others short-pubescent with apparently simple hairs.

Draba douglasii Gray
var. douglasii

Draba - white (4)

♂ 4-1- July 7, 1959.
Same place as ♂ 35.

Heads yellow, apparently rayless.

Erigeron chrysopsidis Gray
ssp. austinae (Greene) Cronq.

(6)

Erigeron ch. ssp.

Erigeron tener Gray

Erigeron tener (4)

8643 – July 7, 1959.
With sagebrush in draw east of Blue Lake; east side of the Pine Forest Mts., 15 miles northwest of Winnemucca, Humboldt Co., Nevada.

Elevation about 5900 feet. Flowers dark blue-lavender.

Rhacelia humilis T. & G.

Rhacelia (7)

8644 - July 7, 1959
Same place as 8643

Arabis divaricarpa A. Nels.

5 (15)
Arabis (6)

8645 - July 8, 1959

Rocky, granitic, sagebrush slope, north exposure, 4 miles west north of Blue Lake; Pine Forest Mts. 75 miles northwest of Winnemucca, Humboldt Co., Nevada.

Elevation about 7800 feet. Plants forming dense cushions or low mounds. Flowers white, notably small in comparison with P. hoodii.

Phlox muscoides Nutt.

Phlox (5)

D 446 July 8, 1959
Sandy, granitic soil at edge of aspen grove near dry meadow along small stream a mile north of Olive Lake; Pine Forest Mts., 35 miles northwest of Winnemucca, Humboldt Co., Nevada.
Elevation about 7700 feet. Flowers pinkish.

Eriogonum spergulinum Gray

Eriogonum ? (13)

8647 - July 8, 1959
Aspen grove along small stream a mile north of Blue Lake; Pine Forest Mts., 75 miles northwest of Winnemucca, Humboldt Co., Nevada.
Elevation about 7700 feet.

Galium bifolium Wats.

July 8, 1959

Dry meadow along small stream a mile north of Blue Lake; Pine Forest Mts., 75 miles northwest of Winnemucca Humboldt Co., Nevada.

Elevation about 7700 ft.
Flowers blue.

Penstemon mythengii A. Nels. var. varians (A. Nels.) Cronq.

Penstemon (3)

86 c9 - July 8, 1959
Same place as 86 c8.
Ray light blue.

Aster occidentalis (Nutt.) T. & G.
var. occidentalis

Aster occidentalis (I)

1,450 - July 3, 1959
Sandy, granitic soil at edge of aspen grove, near dry meadow along a small stream a mile north of Blue Lake; Pine Forest Mts., 75 miles northwest of Winnemucca, Humboldt Co., Nevada.
Elevation about 7700 feet.
Plants mostly ascending; flowers white to pink. Growing intermingled with #8651, G.

Hasseyshyium - 7 n. rd (27)

8651 - July 8, 1959
Same place as 8650.
Plants mostly linear-
ovately ascending spread-
ing, sometimes more
strongly ascending.
Flowers white to pink.
Growing intermingled
with 8650, G.

Topography - east end

8652 - July 8, 1959
Same place as 8650.
Growing with #8650,
G. , and
8651, G.
but less common than
either.

Gymnosperm - hybrid 7)

8653- July 9, 1959 - Fairly
dry meadow along small
stream a mile north of Blue
Lake; Pine Forest Mts., 75
miles northwest of Winnemucca,
Humboldt Co, Nevada.
Elevation about 8000
feet.

Carex aurea Nutt.

Indiana (1)

6655 – July 9. 1915.
Same place as 6653.

Botrychium simplex Hitchc.
var. compositum (Lasch) Milde

Botrychium (1)

8646 - July 9, 1959. Same
place as 8653. Flowers
yellow, throat lips
finely red spotted.

Mimulus primuloides Benth.

8659 – July 9, 1959.
Same place as 8693.

Lupinus lepidus Dougl.
var. utahensis (Wats.) C. L. Hitchc.
(= L. caespitosus Nutt.)

Lupinus (9)

0658 - July 9, 1959
Rocky, granitic slope along small stream a mile north of Blue Lake; Pine Forest Mts., 35 miles northeast of Winnemucca, Humboldt Co., Nevada.
Elevation about 8000 feet. Leaves light yellow.

Potentilla glandulosa Lindl.
var. nevadensis Wats.

P. Pentaphylla glandulosa (9)

July 9, 1909

Same place as 8638.

Small tree to 10 or sometimes 15 m. tall, forming an interrupted, open forest, especially on north slopes, from here to the top of the mountains.

Pinus albicaulis Engelm.

Pinus albicaulis (4)

B660 - July 9, 1959

Sagebrush ridge-tops along the crest of the Pine Forest Mts. several miles north of Blue Lake, 75 miles northwest of Winnemucca, Humboldt Co., Nevada.

Elevation about 7000 feet. Bracts bright red.

Castilleja linariaefolia Benth.
Decpl. det. Marion Ownbey

Castilleja linariaefolia (3)

8661 - July 7, 1951
Growing out of rock crevices into cliff ledges of felsite porphyry outcrops atop the T. mt Creek mts., Harney Co., Oregon. T. 40 S., R. 38 E., S. 9. Elevation about 9000 feet. Heads yellow.

Haplopappus acaulis (Nutt.) Gray

Haplopappus acaulis (4)

8662 - July 9, 1954.
Ground felsite - porphyry outcrops atop the Trout Creek Mts., Harney Co., Oregon. T 41 S., R. 38 E., S. 9. Elevation about 9000 feet. Head yellow.

Senecio canus Hook.

Senecio canus (6)

8663 - July 7. 1959.
Same as 8662.
F. brunneus dark blue.

Penstemon humilis Nutt.

Penstemon humilis (5)

B6C4 - July 9, 1959.
Cliff - Columns on the northeast side of felsite porphyry outcrop atop the Trout Creek Mts., Harney Co., Oregon. Twp. 41S., R. 38E., Sec. 9. Elevation about 9000 feet.

Polystichum scopulinum (Cat.) Maxon.

Polystichum (5)

D665 - July 9, 1959.
Finely granular (sericitic)
tuff of lithic porphyry
outcrops atop the Trout
Creek Mts., Harney Co.,
Oregon. Twp. 41 S., R. 38 E.,
S. 9. Elevation about
9000 feet. F. known yellow

Navarretia breweri (Gray)
Greene

M. breweri (8)

8666 - July 9, 1959.
Same place as 8665. Flowers white.

Dimeresia howellii Gray

(5)

6667 - July 9, 1959.
-Same plant as 6665.
Flowers bluish to
nearly white. Plants
faintly aromatic.

Gilia tenerrima Gray

Gilia Unit (6)

8668 - July 9, 1959.
Same plant as 8665.
Flowers red-purple.

Mimulus nanus H. + A.

M. nanus (5=)

6009 - July 9, 1959
Forest slopes around
felsite porphyry out-
crop along the Trout
Creek Mts., Harney Co.,
Oregon. T. 41 S., R.
38 E., S. 7. Elevation about
9000 feet. Peduncles
prostrate; perianth white
to pinkish, the styles
rich red.

Lyraguea umbellata Torr.

Lyraguea

(8)

8670 - July 9, 1959.
Loose slopes and cliff-crevices . . otherwise as in 8669. Flowers white or slightly tinted with pink-lavender.

Penstemon laevigatus Dougl. var. heterander (T. & G.) Cronq.

56 71 – July 9, 1959.
Same place as 5669.
Leaves blue-glaucous
very divergent. Flowers
white.

Arenaria aculeata Watts.

Arenaria (9)

8672 - July 9, 1959.
Low shrub on felsite porphyry outcrops atop the Trout Creek Mts., Harney Co., Oregon
Twp. 41 S., R. 38 E., S.2.
~~Trees~~ Elevation about 9000 feet. Leaves glaucous. Flowers pinkish.

Symphoricarpos oreophilus Gray
var. utahensis (Rydb.) A. Nels.

Symphoricarpos (3)

$6673 - July 9, 1909.
Same place as 6669.
F. flowers white to pink.

Chaenophytum nuttallii
T. & G.

Haenophytum (11)

No 74 - July 9, 1859.
Same places as 69.
Perianth white or
somewhat pinkish.

Eriogonum spergulinum
Gray

Eriogonum ? (22)

Lb 55 - July 9, 1959.
Pawnee Lacreas, 8269.
Flowers bright blue.

Penstemon speciosus Dougl.

Penstemon speciosus (5)

86 76 - July 9, 1959.
Same place as 86 69.
Stems strongly ascending
or occasionally suberect.
Flowers dull blue. lavend

Phacelia hastata Dougl.
var. alpina (Rydb.) Cronq.

(6)

'86 [illegible] 9.[illegible]

Around White Mountain
Mts., Harney Co,
Oregon. Twp 41S, R. 38E,
S. 9 Elevation about 9000
feet Flowers lavender-
purple.

Phoenicaulis cheiranthoides
Nutt.

P. integrifolia (5)

8b 78 - July 9, 1959
South-facing sagebrush slopes overlooking the upper reaches of Trout Creek.
Trout Creek Mts., Harney Co., Oregon. Twp. 41 S., R. 38 E., S. 15. Shrub 1-3 dm. tall. F. lemon-white or lavender-tinted, opening in late afternoon and remaining open at night.

Leptodactylon pungens (Torr.) Nutt.

Leptodactylon (8)

8679 - July 9, 1959.
Same place as 8678.
Bracts yellowish-salmon
to sometimes bright red.

Castilleja applegatei Fern.
Dupl. det. Marion Ownbey

Castilleja applegate (6)

8680 - July 9, 1959.
Same place as 8678
Flowers dark blue-purple.

Delphinium depauperatum
Nutt.

Jackson

0681. July 9, 1959.
[illegible] 8675
F. Cronemeyer pcmk.

Sidalcea oregana (Nutt.) Gray
ssp. oregana
var. maxima (Peck) C. L. Hitchc.

Sidalcea 13

8682 – July 9, 1959.
Dry meadowland near the head of Trout Creek; Trout Creek Mts., Harney Co., Oregon. Twp. 41 S., R. 38 E., S. 15. Elevation about 8500 ft. Flowers dark blue.

Penstemon rydbergii A. Nels. var. varians (A. Nels.) Cronq.

Penstemon rydb. (4)

8663 - July 10, 1959
Dry flat ridge-top
atop the Trout Creek Mts.,
Harney Co., Oregon.
T 29 S., R 38 E. about S. 28.
Elevation about 8000 feet.
Rays pale blue-lavender,
almost white.

Erigeron pumilus Nutt.
ssp intermedius Cronq
var gracilior Cronq.

Erigeron pumilus (11)

No 84. July 10, 1917

Dry sandy soil in sagebrush region a mile north of Andrews, near the east base of the Steens Mts., Harney Co., Oregon. Twp. 35 S., R. 35 E., S. 22 or 27. Elevation about 4200 feet. Flowers pinkish.

Oxytheca dendroidea Nutt.

6663 July 12, 1909
Gravelly bevelled gentle
west slope just west
of the crest of the
Steens Mts., 85 miles
southeast of Burns,
Harney Co., Oregon. Twp.
33S., R. 34E., S. 18.
Elevation about 9500 ft.
Corolla purple, the wings
and keel nearly white.

multipedunculatum

Trifolium multipedunculat-
um
Kennedy

Clover 22

8688 - July 13 1929
Same places 8685.
Flowers yellow.

Ivesia gordonii (Hook.) T. & G.
(but suggesting I. tweedyi
in its elongate petals and
short, broad hypanthium

Ivesia

6687 July 13, 1959
Open basaltic ridge. Top
first west of Kiger Creek;
near the crest of the Steens
Mts., 80 miles southeast
of Burns, Harney Co.,
Oregon. Twp. 33S., R. 33E.,
S.L. Elevation about 9000
feet.

Phacelia sericea (Grah.) Gray
var. ciliosa Rydb.

Phacelia sericea (Gr.)

8688 - July 13, 1959.
Same place as 8687.
Heads yellow.

Haplopappus stenophyllus
Gray

Haplopappus heterus (18)

[illegible] - July 13, 1939.
Same place as [illegible].
Flowers pale lavender pink.

Horkelia fusca Lindl.
var. capitata (Lindl.) Peck

Horkelia (3)

0690 - July 13, 1959.
Lemplare no 8687

Antennaria anaphaloides Rydb.

7/ - July 13, 1959
Same place as 837.
Flowers yellow.
~~Growing with 8691a,~~
~~D. sphaeroides var.~~
D. sterilaba
~~Draba~~
Growing with #8691a,
D. sterilaba var. nana, but
much more abundant

Draba sphaeroides Pays.
var. cusickii (Robins. ex L. Hitchc.
det. C. L. Hitchc.

Draba (17)

8692 – July 13, 1869.
Same locality as 8687.
Plants turfed.

Poa incurva Lesquer.
& Will.

6693 - July 13, 1959
Kearney & Peebles 3687.
Plants in Lang. Tufts.

Festuca idahoensis Elmer ?

6343

Festuca (35)

8694— July 13, 1959. Rocky, gravelly, basaltic gravelly west slope at the head of McCoy Creek, just west of the head of Tiger Creek, near the summit of the Steens Mts., 80 miles southeast of Burns, Harney Co., Oregon. Twp. 33S., R. 33E., S. 2. Elevation about 9000 feet. Inflorescences ascending or erect from nearly prostrate peduncles. Flowers blue, the banner with a large central white spot. Shrubby perennial. Typical.

Lupinus lepidus Dougl.
var. lobbii (Wats.) C. L. Hitchc.

Lupine. (35)

8695. July 14, 1959
Gravelly bearable gentle
west slopes and drymeadows
at the head of McCoy Creek -
[illegible] Nev.
Flowers white.

Lewisia pygmaea (Gray) Robins.
var. pygmaea

Lewisia (35)

1896 July 14 Basaltic,
Gravelly, recently snow-covered
west slope near melting
Snowbank at the head of
McCoy Creek, just west of
the head of Tiger Creek, near
the crest of the Steens Mts.,
90 miles southeast of
Burns, Harney Co., Oregon.
Twp. 33 S., R. 33 E., S. 2.
Elevation about 9000 feet.
Flowers yellow.

Potentilla brevifolia
Nutt.

Potentilla (35)

86 : 7 - July 14, 1959
Dry meadows and gravelly
[illegible] at
the [illegible] of the Log Creek, just
~~above~~ ~~of the head~~ ~~of~~ ~~Ketchum~~
~~Creek~~ ~~Thomas~~ ~~8696~~
Same places 8696.
Flowers yellow.

Ranunculus eschscholtzii Schlecht.
var. trisectus (Eastw.) Benson

✓

✓

35

Ranunculus

8698 - July 14, 1959 Baultic

Gravelly moist slope and rock outcrops at the head of McCoy Creek, just west of the head of Tigas Creek, near the crest of the Steens Mts., 50 miles southeast of Burns, Harney Co., Oregon. T. 35 S., R. 33 E., S. 2. Elevation about 9000 feet. Not sharply distinct from 8699, P. breweri, which however has grayer, less divided leaves and is more abundant in dry meadows.

Potentilla ovina Macoun

Potentilla hookeriana = (11)

July 14, 1909

Dry meadows, less often on gravelly west slopes, at the head of McCoy Creek. . . etc. as in 6698. Not sharply distinct from 6698, P. ovina, which however has more dissected greener leaves and is more common on gravelly or rocky slopes.

Potentilla breweri Wats.

6521

Potentilla diversifolia. (27)

S 700 - July 15, 1959.
Rocky, gravelly, basaltic
west slope above the head
of the Coyote Creek, not far from
the rim of Tiger Canyon;
Alvord Mtn., 8 miles southeast
of Burns, Harney Co., Oregon.
Twp. 33 S., R. 31 E., S. 1 or 2.
Elevation about 7000 feet.
Perianth pink to nearly
white. 2N=14.

Allium tolmiei Baker ex Wats.
Orig. det. Marion Ownbey

3:21 - July 13, 1959
Along the summit ridge
of the Steens Mts. above
the head of Tiger Creek,
in basaltic gravelly soil;
80 miles southeast of
Burns, Harney Co., Oregon.
Twp. 33 S., R. 32 E., S. I.
Elevation 9500 ft.
Flowers chrome yellow.
Pods inflated, usually
mottled with reddish
brown at maturity.

Astragalus whitneyi Gray
var. confusus Barneby
det. R. C. Barneby

Astragalus (9)

8702. July 15, 1949
Rocky, basaltic crest of the Aldrich Hills, a little south of the head of Tiger Creek; 80 miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 33 E., S. 11. Elevation 9500 feet. Rays nearly white, often poorly developed on apparently maturing.

Erigeron compositus Pursh
var. glabratus Mgcown

Erigeron comp. (8) ✓

1933 - July 15, 1939.
Lamb plateau 8701.
Bracts dull pale
yellow green. Plants
common along the
summit ridge from
near to the highest point
of the mountains.

Castilleja longispica A. Nels.
Dupl. det. Marion Ownbey

Castilleja (26)

8704 - July 15, 1905
Same place as 8701. Leaves glaucous. Flowers yellow.

Potentilla diversifolia Lehm.
var. diversifolia

Potentilla (6)

8705 - July 15, 1959.
Rocky, gravelly, basaltic north slope, recently covered by snow, just below the crest of the Steens Mts., overlooking the head of Kiger Creek; 80 miles southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 33 E., S. 1. Elevation about 9000 feet. Petals white with pink lines on white or pale pinkish background.

Claytonia megarhiza (Gray) Parry
var. bellidifolia (Rydb.) ✓
C. L. Hitchc.

Lewisia - brass box, (5) ✓

8706 - July 1, 1957
Same plate as 8701.

Poa nervosa (Hook.) Vasey

B. L. T. July 15, 1939
Gravelly, basaltic west slope at the head of McCoy Creek, just west of the head of Kiger Creek; Steens Mts. 60 miles southeast of Burns, Harney Co., Oregon. T. 39 S., R. 33 E., S. 2. Elevation about 9000 feet. Perianth white to pinkish.

Sphaeranthus umbellatus Torr.

6426
Sphaeranthus (10)

8708 - July 16, 1959. Around basaltic rock outcrops and in the rock crevices, in sagebrush country along the crest of Argenta Mountain, 60 miles southwest of Burns, Lake Co., Oregon. Twp. 25 S., R. 22 or 23 E. Elevation about 6500 feet. Petals white, shallowly bifid.

Silene douglasii Hook.
var. douglasii

Silene (9)

8 109 July 16, 1959
Sagebrush country
along the crest of
Wagontire Mountain,
near the highest point,
60 miles southwest of
Burns, Lake Co., Oregon.
T. 29 S., R. 22 or 23 E.
Elevation 6500 feet. Rays
blue-lavender.

Erigeron filifolius Nutt.
var. filifolius

✓

Erigeron filifolius (2)

8710 - July 16, 1959
Summit of Wagontire
Mt., in sagebrush coun-
try, 60 miles southwest
of Burns, Lake Co, Oregon.
Twp. 25 S., R 22 & 23 E.
Elevation 6500 feet. Intricately
branched, aromatic shrub
5-10(15) dm. tall. Flowers
white.

Holodiscus dumosus (Hook.)
Heller
var. glabrescens (Greenm.) Hitchc.

Holodiscus (4)

B 711. July 16, 1909
Kamplaq, ca 8700.
F. leaves bright light
yellow.

Eriogonum strictum Benth
ssp. proliferum (T. & G.) Stokes
var. flavissimum (Gand.)
C. L. Hitchc.

Eriogonum (4)

8712 - July 16, 1959
Same plants as 8711.
Bracts pale yellowish
green. Plants mostly
prostrate.

Castilleja longispica A. Nels.
Dupl. Det. Marion Ownbey

small pale Castilleja (3)

B 713 – July 16, 1909
Lamplaw 2587 09.
Bracts yellowish
or somewhat salmon.
A single individual.

Castilleja longispica A. Nels.
Rupl. det. Marion Ownbey

Gregory, Publ. (2)

8714 - July 16, 1959
Same places 8709.
Bracts scarlet to
vermilion.

Castilleja applegatei Fern.
subsp. dec. Marion county

vicinity Castilleja (8)

T 13 - July 16, 1959
Lamb plateau 8709.
Bracts scarlet.

Castilleja linariaefolia
Benth.
Dupl. det. Marion Ownbey

Castilleja linariaefolia (11)

8516 - Same plant as 8709.
Rays blue-lavender.

Erigeron corymbosus Nutt.

Erigeron corymbosus ± (17)

July 16, 1959
Sagebrush country
along the crest of
Wagontire Mt., 4 mile
southeast of the highest
point; 60 miles southwest
of Burns, Lake Co., Oregon.
Twp. 25S, R. 23E.
Elevation about 6000 feet.

Cordylanthus ramosus
Nutt.

(7)

3 15 Aug. 09

Sagebrush country,
diatomite soil, 3 miles
southwest of Harper,
Malheur Co, Oregon. Twp.
20 S. R. 42 E, S. 24.
Plants prostrate.

Amaranthus graecizans
Amaranthus graecizans L.

Amaranthus (1)

6/19 - July 10. 1931
Compositae 8/18.
Perennial herbaceous
not at all spinescent.

Eriogonum nidularium
Coville

Eriogonum 3

July 20, 1939

Gravel bar along the North Fork of the Umpqua River, just above its confluence with the main stream, 38 miles south of Jordan Valley, Malheur Co., Oregon. Twp. 34S., R. 45E., S. 35. Elevation about 3000-3500 feet. Extensive sagebrush association with only one plant seen.

Gratiola neglecta Torr.

Gratiola (1)

[illegible] - July 20, 1955.
Rare plant 56120.
Flowers deep pink.

Mimulus bolanderi (Gray)
Rydb.

✓

Mimulus bolanderi (6)

8722 - July 20, 1959
Same place as 8720.
Flowers yellow.

Mimulus floribundus Dougl.

yellow, standard ⑦

July 20, 1939
Same place as 8720
Plants rather unpleasantly aromatic. Corol. a yellow, with 2 red dots within the throat by anthers.

Mimetanthe pilosa (Benth.) Greene

Mimetanthe (14)

8 724 - July 20, 1895
Laine Island 8720.
F. Lamarck Nevin.

Boisduvallea stricta (Gray)
Greene

Tmeria (3)

July 20, 1957
Lamplaccas 6720,

Chenopodium botrys L.

Chenopodium botrys (4)

8776 July 20 1929
Rocky escarpment slope
along the Applegate River
half a mile above the
confluence the North
Fork; 38 miles south
of Jordan Valley, Malheur
Co., Oregon. T 41 S. R. 45 E.
R. 53. Elevation
about 3000-3500 feet.
Flowers ochroleucous.

Brickellia oblongifolia Nutt.
var. oblongifolia

Brickellia al... (5)

C. ? / - July 20, 1959.
Some plants 8 ft. Flowers
pale lavender.

Navarretia intertexta
(Benth.) Hook.
var. propinqua (Sukod.) Brand

Navarretia intertexta (2) ✓

8 728 – July 20, 1954.
Same plan as 8 720.
+ leaves white to pink.

Epilobium watsoni Barbey
var. occidentale (Trel.) C. L.
Hitchc.

Ep. [illegible] (6)

T 729 - July 20, 1959.
Lassen Volcanic 8720.

Trifolium variegatum Nutt.

Clover. (1)

8730 – July 20/1959

Same place as 8720.
Sandy and plant allm.

Mollugo verticillata L.

T 731 – July 20, 1917.
Grand bar along the
Antelope River at the
confluence of the North
Fork; 3½ miles south of
Jordan Valley, Malheur Co.,
Oregon. T. 19 S., R. 45 E., S. 34.
Elevation about 3 or 3500
feet. Plants prostrate.

Amaranthus californicus
Wats.

Amaranthus (1)

8732 – July 30, 1959.
Same place as 8731.
Stems prostrate with
ascending tips. Flowers
white.

Plagiobothrys scouleri
(H. & A.) Johnst.
var. *penicillatus* (Greene) Cronq.

Plagiobothrys 3.

8733 - July 20, 1939
Same plate as 8731.

Cyperus aristatus Rottb.

Cyperus (4)

8734 - July 20, 1959 Felsite cliffs along the North Fork of the Owyhee River, half a mile above its confluence with the main stream; 38 miles south of Jordan Valley, Malheur Co., Oregon. T. 19 S., R. 45 E., S. 35. Elevation about 3000-3500 feet. Flowers white, (3) 4 (5) per head, wilting in the afternoon sun.

Stephanomeria tenuifolia (Torr.) Hall var. myriocladа (Eat.) Cronq.

/

Stephanomeria (5) ✓

6133 July 21, 1929
Sagebrush slopes near the south tributary to Alkaline Creek; east flank of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon.
Twp. 34S., R. 34E., S.5.
Elevation about 6000 feet.
Petals lavender, the head yellow. Bulb deep seated and delicately attached.

Calochortus macrocarpus
Dougl.

Calochortus macrocarpus (2)

8736 - July 21, 1929

Sprawling over bushes on steep rocky slope near the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon, Twp. 34S., R. 34E., S. 5. Elevation about 6500 fut. Sepals white, 4-6.

Clematis ligusticifolia Nutt.

✓

Clematis sp. (2)

8737 – July 21, 1959.
Moist places along the south tributary to Edward Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 34 S., R. 30 E., S 5. Elevation about 7000 feet. Flowers white.

Koenig

Parnassia fimbriata Koenig var. intermedia (Rydb.)
C. L. Hitchc.

Parnassia (4)

8738 - July 21, 1959.
Same place as 8737.
Flowers pink, purple and white.

Trifolium wormskjoldii Lehm

[illegible] – July 21, 1909.
2 and plants 8757.
Flowers rather pale
pink-lavender. Only
one plant seen.

Pedicularis attollens Gray

P. [illegible] attollens (T) ✓

8740 - July 21, 1959

Moderately moist soil along the South Tributary to Alvord Creek, east side of the Steins Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp 34 S., R 34 E., S.5. Plants in small tufts.)

Elevation about 7000 feet.

Ag. ovatus hiemalis (Walt.) B.S.P.

8701 July 21, 1959
Open, gravelly slopes along the south tributary to Alvord Creek; east side of the Steens Mts, a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 34 S., R. 34 E., S. 5 or 6. Elevation about 7500 feet. Flowers pink or pink-lavender. The characteristic thistle of the Steens Mts.

Cirsium peckii Henderson

Cirsium 4, mod 2" short 1"
2" short 2"

& 742 - July 21, 1959.
Moist places along the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 34 S., R. 34 E., S. 5 on C. Elevation about 7500 feet. Rays light blue.

Aster foliaceus Lindl.
var. parryi (Eat.) Gray

(2)

1913 - July 21, 1959.
Same places as 7411.
Plants with a distinctive aroma different from that of A. ludoviciana. Plants varying from rhizomatous to more or less stoloniferous, the stems loosely clustered.

Artemisia michauxiana Bess.

Artemisia michauxiana (14)

8744 - July 21, 1959.
Same place as 8741.
F banners white to pink

Gayophytum nuttallii T. & G.

Gayophytum (b)

8705 - July 21, 1959.
In thin soil on steep moist banks along the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 34 S., R. 34 E., S. 5 or 6. Elevation about 7500 feet

Carex aurea Nutt.

Carex aurea (1)

8746. — July 21, 1959.
Same place as 8745.
Bulb small for the size
of the plant. Flowers
white.

Zygadenus elegans Pursh

1

Zygadenus elegans (11)

7 – July 21, 1959.
Same plants as 6745.
Flowers yellow.

Hypericum formosum HBk.
ssp. scouleri (Hook.) C. L. Hitchc.
var. nortoniae (Jones) C. L. Hitchc.

(9)

8756 - July 21, 1959.
Wet places along the edge
of the south tributary to
Alvord Creek; east side
of the Steens Mts., a hundred
miles southeast of Burns,
Harney Co., Oregon. T 42 S.,
34 S., R. 34 E., S. 5 or 6.
Elevation about 7500 feet.
Flowers white.

Saxifraga odontoloma Piper
(= S. arguta auctt., non D. Don)

8 105 July 21, 1959
Rather moist, gravelly
open slopes along the
south tributary to
Alvord Creek; East side
of the Steens Mts., a hundred
miles southeast of Burns,
Harney Co., Oregon. Twps.
34S, R. 34E, S. 5 & 6. Elevation
about 7500 feet.

Athyrium filix-femina
(L.) Roth

Diagnostics 15

[illegible] - July 21, 1954.

In bits of thin wet soil on shady cliffs directly along the south tributary to Alvord Creek; east side of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 34S., R. 34E., S. 5 or 6. Elevation about 7500 feet. Flowers yellow, with some red dots inside the palate strongly bearded; calyx conspicuously red-dotted. Sharply distinct from the associated M. guttatus.

Mimulus tilingii Regel
var. tilingii

(8)

6-15-[illegible] July 21, 1909
Same places as 8-7-09.
Plants tufted.

Carex angustior Mack.

689.
Carex (6)

8752 - July 22, 1909

Open, rather sandy spots in sagebrush country just south of Alvord Creek; east base of the Steens Mts., a hundred miles southeast of Burns, Harney Co., Oregon. Twp. 34 S., R. 34 E., S. 4. Elevation about 4500 feet. Juice milky.

Euphorbia ~~serp~~ serpyllifolia Pers.

Euphorbia (6)

8753 - July 23, 1959
Dry Rocky brush. Juniper slopes along Wildhorse Creek, east side of the Steens Mts., Harney Co., Oregon. Twp. 34 S., R. 33 E., S. 22. Elevation about 5500 feet. Stems loosely clustered, the curved, thin-barklike base attached to the mostly subterranean crown of a woody taproot. Heads bright yellow.

Erigeron inornatus Gray
var. *inornatus*

Erigeron inornatus [17] ✓

8754 July 23, 1957 - Open rocky slopes along Wild-horse Creek, between the forks and the lake, Steens Mts., Harney Co., Oregon. Twp. 34S, R. 33E, S12 or 11. Elevation about 7500 feet. Broad low shrub about 2 dm. tall, sweetly aromatic. Heads light yellow.

Haplopappus macronema Gray
var. *macronema*

(5)

8755 - July 23, 1959

Big grassy meadow along Wildhorse Creek, between the forks and the lake; Steens Mts., Harney Co., Oregon. Twp. 34S., R. 33E., S. 2. Elevation about 8000 feet. Flowers pink-lavender. P. Coats Reance.

Pedicularis attollens Gray

Pedicularis attollens (Gray) ✓

5752 - July 25, 1957 - Loose gravelly slope along tributary to Wildhorse Creek, east and a little downstream from the lake; Steens Mts., Harney Co., Oregon. T. 39 S., R. 33 E., S. 1 or 2. Elevation about 8500 feet. Leaves concave-convex. F. brown dull purple. Corolla and plant yellow. 2N = 28 (tetraploid).

Allium campanulatum
S. Wats.
det. Marion Ownbey

Allium (species)

5757 – July 23, 1937

Aspen grandelley. 2 copies
apart and east of Wildhorse
Lake; Steens Mts., Harney
Co., Oregon. Twp. 33 S.,
R 33E, S. 36. Elevation
about 9000 feet. Heads
pale yellow, scarcely more
than achenes.

Haplopappus Carthamoides
(Hook.) Gray
var. Cusickii Gray

Haplopappus carthamoides var. (4)

8758- July 23, 1939 - Same plants as 8757. Flowers white.

Arenaria congesta Nutt. var. congesta

7759 - July 23, 1937
Rock ledges atop the cliffs a thousand feet of Wildhorse Lake; Steens Mts., Harney Co., Oregon. Twp. 33 S., R. 33 E., S. 36. Elevation about 9000 feet. Heads yellow.

Haplopappus acaulis (Nutt.) Gray

var. acaulis

Haplopappus acaulis 3 ✓

8760 - July 23, 1937 Rock crevices and open gravelly slopes above and east of Wildhorse Lake; Steens Mts., Harney Co., Oregon. Twp. 33S., R. 33E., S. 36. Elevation about 9000 feet. Flowers bright pinkish-purple.

Epilobium obcordatum Gray

(9)

816 July 23, 1939
Open gravelly slopes east of Wildhorse Lake, Steens Mts., Harney Co., Oregon. Twp. 34 S., R. 33 E., S. 1. Elevation about 8500-9000 feet. Flowers white or pinkish.

Eriogonum spergulinum Gray

Eriogonum (12)

8762. July 23, 1959
Same place as 8757. Rays
blue-violet.

Aster alpigenus (T. & G.) Gray
var. haydeni (Porter) Cronq.

8763 July 26, 1925
Meadow along small stream
near the head of Big Carey Creek,
just north of the head of
Fish Creek; west side of
the Steens Mts.,
southeast of Burns, Harney
Co., Oregon. Twp. 32½ to 33 S.,
R. 33 E. Elevation about 6600
feet. Flowers white.

Epilobium glandulosum
Lehm.
var. typica (Trel.) C. L. Hitchc.

Epilobium (28)

8764 - July 26, 1959.
Dry edge of meadow
etc. as in 8768. Petals
white to lavender,
laciniate, the segments
again cleft.

Silene oregana Wats.

Silene (8) ✓

8763 - July 26, 1907
same place as 8763.
Flowers blue.

Delphinium depauperatum
Nutt.

8766 - July 30, 1959
Same place as 8763.
Petals 4-7, yellow.

Ranunculus alismaefolius
Geyer
var. alismellus Gray

Ranunculus (13)

26, 1935

Open gravelly slope in
Sage brush Area near the
head of McCoy Creek, just
north of the head of Fish
Creek; west slope of
the Steens Mts.,
Southeast of Burns, Harney
Co., Oregon. Twp. 32½ or 33S.,
R. 33E. Elevation about
8000 feet. + lavers white.
Only one seed to a locule.

Linanthus harknessii (Curran)
Greene

(28)

8768 - July 26. 1903
Same place as 8765.
Plants mildly nephritic.
Flowers on same plants
bright pink - lavender
on others pale lilac - lav-
ender.

Gilia capillaris Hell.

8769 - July 26, 1959
Meadow along Fish Creek a mile below its head; west slope of the Steens Mts., ~~miles~~ southeast of Burns, Harney Co., Oregon. Twp. 32½ S., R. 33 E.
Elevation about 6000 feet. Flowers yellow.

Rorippa curvisiliqua
(Hook.) Bessey

Rorippa (8)

8770 – July 26, 1959.
Same place as 8769.
Flowers white.

Plagiobothrys scouleri
(H. & A.) Johnst.
var. penicillatus (Greene) Krang.

Plagiobothrys 35)

8721 July 12, 1889
Same place as 8769

Polygonum kelloggii Greene

Polygonum (31)

3372 - July 26, 1954

Ridge top between the upper part of Fish Creek and McCoy Creek; west slope of the Steens Mts., ~~mile~~ southeast of Burns, Harney Co., Oregon. Twp. 32½ S. R. 33 E. Elevation about 8000 feet. Plants tufted; herbage conspicuously bluish.

Poa ampla Merr.

Poa 29)

5773 - July 26, 1951
Among scattered aspens (the last trees going up stream) on meadow like slope near the head of McCoy Creek, just north of the head of Fish Creek; west slope of the Steens Mts., miles southeast of Burns, Harney Co., Oregon. Twp. 32½ S., R33E. Elevation about 6600 feet. Plants in small loose tufts. Awned and awnless plants intermingled and looking otherwise alike.
Agropyron trachycaulum (Link.) Steud.
Agropyron tenerum
(6)

8774 - July 27, 1959

Moderately moist meadow overlooking Big Indian Creek, near the divide to Little Wildhorse Creek a mile or so west of the highest point of the mountain; 8 trees Wtns. ~~mile~~ southeast of Burns, Harney Co., Oregon.

Twp. 33 S., R. 33 E.

Elevation about 9000 feet

Heads yellow.

Senecio cymbalarioides Buek
(= S. subnudus DC.)

Senecio subnudus (?)

July 21
Lane Place 8774.
Ray Cavender.

Erigeron peregrinus (Pursh) Greene
ssp. callianthemus (Greene) Cronq.
var. scaposus (T. + G.) Cronq.

Erigeron peregrinus 5)

8776 - July 27, 1959

Northwest-facing forest talus slope near the crest of the ridge between Wildhorse Creek and Big Indian Creek, about 1 mile west of the highest point of the mountain, 8 miles southeast of Burns, Harney Co., Oregon.

Twp. 33 S., R. 33 E.

Elevation about 9000 ft.

Flowers white with a yellow eye. Petals transversely somewhat angulate-dorsally, nearly smooth ventrally, the scar narrowly open.

Cryptantha nubigena (Greene) Payson.

Cryptantha sp. (14)

Jan 6, 27, 1837
Jan. Place ad 1774.
Nantucket early as scarcely
trusted, without long
residence.

Carved Marylenisma Olney
Dupl. Lt. J. T. Howell

Carved 6

5778 - July 27, 1959

Ledges and rock outcrops overlooking Big Indian Creek, near the divide to Little Wildhorse Creek, a mile or so west of the highest point of the mountain. Steens Mts., ~~mile~~ southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 33 E. Elevation about 9000 feet. Plants tufted, not rhizomatous.

Carex phaeocephala Piper
dupl. det. J. T. Howell

3

July 27, 1909

Cliff crevices overlooking Wildhorse Creek, just under the divide to Big Indian Creek, about a mile west of the highest point of the mountain; 2 teens plants, southeast of Burns, Harney Co., Oregon, Twp. 33 S., R. 33 E.
Elevation about 9500 feet.
Plants densely tufted.

Athyrium alpestre (Hoppe) Rylands
var. americanum, Butters

8780 July 27, 1902

Thin soil on ledges overlooking Wildhorse Creek -- abt. as in 8779. Heads yellow.

Senecio crassulus Gray

Same plants 8777.
Plants densely tufted.

Pellaea breweri D.C. Eat.

6788 – July 27, 1917
Forming mats on the
rocky ground northeast
just northwest of the
highest point of Steens
Mt., ~~miles~~ southeast
of Burns, Harney Co,
Oregon. Twp. 33S., R. 33E.
Elevation about 9700 feet.
Flowers blue + violet

Penstemon davidsonii Greene
var. praeteritus Crong.

[illegible] – July 27, 1959
Rocky ground around
the top of Steens Mt.,
~~miles~~ southeast
of Burns, Harney Co. Oregon,
Twp. 33 S., R. 33 E.
Elevation about 9700 feet.
Bracts green.

Castilleja longispica A. Nels.
Dupl. det. Marion Ownbey

Castilleja 10

8784 - July 27, 1939
Forming mats on rocky ground around the summit of Steens Mt., ~~miles~~ southeast of Burns, Harney Co. Oregon. Twp 33 S., R. 33 E. Elevation 9700 feet.
Flowers on some plants bright light yellow, on others merely ochroleucous.

Eriogonum umbellatum Torr. var. hausknechtii (Oammen) Jones

Eriogonum (14)

8735 - July 28, 1959

Loose, rocky slope along ridge between Little Wildhorse Creek and Big Indian Creek, about a mile west of the highest point of the mountain. Elkhorn Mts., southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 33 E. Elevation about 9500 ft. Plants taprooted, forming large cushions. Flowers white.

Arenaria nuttallii Pax var. nuttallii

Ardmore: (9) ✓

3756 July 28, 1937 - Open, rocky slopes overlooking Big Indian Creek, just under the pass to Little Wildhorse Creek, about a mile west of the highest point of the mountain; 4 trans Mts, ~~miles~~ southeast of Burns, Harney Co., Oregon. Twp. 33S., R. 33E. Elevation about 9000 feet. Heads yellow. Common at upper elevations all over the mountain.

Senecio Fremontii T. & G.
var. Fremontii

Senecio fremontii (13)

8787 July 22, 1959
Forming loose mats on rocky or gravelly flats and gentle slopes above Big Indian Creek, near the pass to Little Wildhorse Creek, about a mile west of the highest point of the mountain; ~~Steens Mts.~~ ~~Trail~~ southeast of Burns, Harney Co., Oregon. Twp. 33 S, R. 33 E. Elevation about 9000 feet.

Antennaria alpina L.
var. media (Greene) Jeps.

Centennaria media (G.)

8788 - July 28, 1919. Rocky, gravelly bed of intermittent stream (now merely moist) overlooking Big Indian Creek, near the pass to Little Wildhorse Creek, about ½ mile west of the highest point of the mountain; Steens Mts., ~~miles~~ southeast of Burns, Harney Co., Oregon. T. 39 S., R. 33 E. Elevation about 9000 feet. Petals white with deep pink lines on a pale or medium pink background. Plants not seen elsewhere.

Claytonia nevadensis Wats.
New to Oregon.

(13)

189 July 23, 1959
Moist meadow over-
looking Big Indian Creek,
near the pass to Little
Wildhorse Creek, about a
mile west of the highest
point of the mountain;
Steens Mts.,
southeast of Burns, Harney
Co., Oregon. Twp. 33 S., R. 33 E.
Elevation about 9000 feet.
Flowers pink-lavender,
with some deeper red lines.

Pedicularis attollens Gray

Pedicularis attollens (18)

8790 - July 28, 1959

Submerged in shallow water and emersed along the muddy border of a small pond overlooking Big Indian Creek, near the pass to Little Wildhorse Creek, about 2 miles west of the highest point of the mountain; Steens Mts., ~~miles~~ southeast of Burns, Harney Co, Oregon.

Twp. 33 S., R. 33 E.

Elevation about 9000 feet.

Corm 2-lobed, ligule deltoid; ~~veins~~ narrow; peripheral strands ~~four~~ by duplicated or none; megaspores white, 0.3 mm., slightly roughened.

Isoetes bolanderi Engelm. (?)

8791 - July 28, 1939
Rocky ridge - tops between
Wilddorse Creek and Big
Indian Creek, about a
mile west of the highest
point of the mountain;
Steens Mts., ~~miles~~
southeast of Burns,
Harney Co., Oregon.
Twp. 33 S., R. 33 E.
Elevation about 9500 feet.
Plants taprooted. Petals
shallowly bifid, white
to lavender. Styles 3, 4, or 5
even on the same plant, but
most commonly 3.
Silene douglasii Hook.
Silene (11) var. douglasii

8702 – July 28, 1957

Moist meadow around a small pond overlooking Big Indian Creek, near the pass to Little Wild-horse Creek, about 2 miles west of the highest point of the mountain; Steens Mts., ~~miles~~ southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 33 E. Elevation about 9000 feet.

Carex scopulorum Holm

Carex. Cyperaceae

July 28, 1959
Same place as 8792.

Carex subnigricans Stacey
dupl. det. J. T. Howell

Carex subnigricans (6)

3954 - July 28. 1959

In the shelter on the northeast side of a large rock on the slopes overlooking Big Indian Creek, near the pass to Little Wildhorse Creek, about 2 miles west of the highest point of the mountain; Steens Mts., miles southeast of Burns, Harney Co., Oregon.

Elevation about 9000 ft.

Flowers yellow the palate hairy and red-dotted; Calyx red-dotted.

Mimulus tilingii Regel
var tilingii

(5)

& 1955 - July 28, 1955
Wet soil at the edge of
a streamlet and caching
Big Indian Creek, near
the pass to Little Wildhorse
Creek, about 2 miles west
of the highest point of the
mountain; Steens Mts.,
~~Harney~~ southeast of
Burns, Harney Co., Oregon.
Twp. 33 S, R. 33 E.
Elevation about 9000 feet

Carex scopulorum Holm

Carex [illegible]

8796 - July 28, 1959

Moderately moist meadow overlooking Big Indian Creek, near the pass to Little Wildhorse Creek, about 2 miles west of the highest point of the mountain; Steens Mts., ~~miles~~ southeast of Burns, Harney Co., Oregon. Twp. 33 S., R. 33 E. Elevation about 9000 feet. Stigmas 2 or 3

Carex nigricans C.A. Mey.

Carex

Twp 418., R. 382., S. 9
at cliffs
S 15 / on hillside

597.8 at summit saddle.
603.0 at high camp.
606.1 at lower camp.
630.5 at lower camp.
650.7 at French Glen
715.3 at Burns Ajax on ground tower

8797 - July 28, 1959
Same places as 8796.
Plants dioecious

Carex pseudoscirpoidea
Rydb

7437
Carex - dioecious ? (13)